

## **California Weather-Hydro Conditions during May 2017**

As of May 31, 2017, statewide hydrologic conditions were as follows: precipitation, 175 percent of average to date; snow water content, 190 percent of average to date (60% of the April 1 index average); runoff, 225 percent of average to date; and reservoir storage, 110 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through May 31, 2017 was about 34.5 million acre-feet (MAF), which is about 226 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through May 31, 2016 was about 15.7 MAF, or about 103 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through May 31, 2017 was about 13.7 MAF, which is about 268 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through May 31, 2016 was about 5.0 MAF, or about 97 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through May 31, 2017 was about 4.9 MAF, which is about 244 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through May 31, 2016 was about 1.4 MAF, or about 72 percent of average.

On May 31, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 93.5 inches, which is about 196 percent of the seasonal average to date and 187 percent of an average water year (50.0 inches). During May, the total precipitation for the 8-Stations was 0.5 inches, or about 23 percent of average for the month. Last year on May 31, 2016, the Water Year 2016 seasonal total for the 8-Stations was 56.9 inches, or about 119 percent of average.

On May 31, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 71.4 inches, which is about 183 percent of the seasonal average to date and 175 percent of an average water year (40.7 inches). During May, the total precipitation for the 5-Stations was 0.4 inches, or about 22 percent of average for the month. Last year on May 31, 2016, the Water Year 2016 seasonal total for the 5-Stations was 39.7 inches, or about 102 percent of average.

On May 31, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 46.1 inches, which is about 164 percent of the seasonal average to date and 157 percent of an average water year (29.2 inches). During May, the total precipitation for the 6-Stations was 0.2 inches, or about 18 percent of average for the month. Last year on May 31, 2016, the Water Year 2016 seasonal total for the 6-Stations was 25.6 inches, or about 92 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 05/31/2017					
Station	Water Year 2017 to May 31, 2017	% Average	Water Year 2016 to May 31, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	57.75	141	38.56	94	132
Eureka	50.98	133	43.61	113	126
Redding	44.72	136	36.05	109	129
South Lake Tahoe	46.99	258	22.04	121	231
Sacramento Executive Airport	32.82	183	16.14	90	177
Santa Rosa (Sonoma Co AP)	57.94	163	30.31	85	160
San Francisco	31.96	138	22.12	95	135
Stockton	21.52	157	16.60	121	153
Yosemite	74.16	206	35.56	99	195
Monterey	24.11	153	21.53	137	150
Paso Robles	14.19	114	7.37	59	111
Fresno	17.20	155	14.27	129	150
Bakersfield	7.79	124	5.44	87	120
Death Valley	1.28	67	1.61	85	54
Los Angeles	17.68	122	6.35	44	118
Riverside	11.89	100	5.17	43	96
Palm Springs	6.96	147	2.50	53	121
San Diego	12.25	122	7.73	77	118

Key Reservoir Storage (1,000 AF) as of 05/31/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,287	2,114	108	2,448	93	---	161
Shasta Lake	Sacramento	4,353	3,901	112	4,552	96	-199	199
Lake Oroville	Feather	2,466	2,990	82	3,538	70	-1,072	1,072
New Bullards Bar Res	Yuba	942	837	112	966	97	-24	24
Folsom Lake	American	937	821	114	977	96	-40	40
New Melones Res	Stanislaus	2,079	1,519	137	2,400	87	109	341
Don Pedro Res	Tuolumne	1,770	1,553	114	2,030	87	26	260
Lake McClure	Merced	828	701	118	1,025	81	75	197
Millerton Lake	San Joaquin	407	403	101	520	78	-63	113
Pine Flat Res	Kings	757	722	105	1,000	76	66	243
Isabella	Kern	337	299	113	568	59	-24	231
San Luis Res	(Offstream)	1,910	1,617	118	2,041	94	---	129

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for July 2017, issued June 15, 2017, suggests average precipitation for all of California